

| | | |
|-------------------|-----------------------------------|----------------------|
| OBO Pro.2® | SPECIFICATIONS | MODEL NO. OBO-272 |
| | PART NAME Piezoelectric Buzzer | SHEET 1 OF 6 |

ALTERNATION HISTORY

| Marking | Date | ECN NO. | REV. | Description | Page | PREPARE BY | APPROVE BY |
|---------|-----------|---------|------|---|------|------------|------------|
| ※1 | DEC.07'06 | 0608011 | K | Conformity RoHS Directive (2002/95/EC) Requests. | 6 | 林子藝 | 陳達合 |
| | | | | | | | |

| REV. | DATE | PREPARED BY | CHECKED BY | APPROVED BY |
|------|-------------|-------------|------------|-------------|
| K | DEC,07,2006 | Eileen | 陳達合 | 陳達合 |

| | | |
|-------------------|--|-----------------------------|
| OBO.Pro.2® | SPECIFICATIONS | MODEL NO. OBO-272 |
| | PART NAME Piezoelectric Buzzer | SHEET 2 OF 6 |

MODEL NO : OBO-272

Features : External drive & lead Wire type

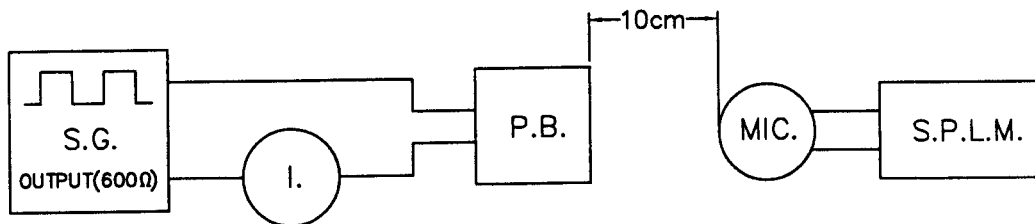
Conformity RoHS Directive (2002/95/EC) Requests. ※1

1. General Specifications :

| Items | Spec. |
|-------------------------|--|
| Sound Pressure Level | 90dB min. at 4.4KHz/9Vp-p Square Wave/10cm |
| | 80dB min. at 4.4KHz/1Vrms Sine Wave/10cm |
| Capacitance | 20,000pF ± 30% at 120Hz |
| Current Consumption | 4mA max. at 4.4KHz/9Vp-p Square Wave |
| Allowable Input Voltage | 30Vp-p max. |
| Case Material | ABS (UL 94HB) |
| Operating Temp. Range | -20°C to +60°C |
| Storage Temp. Range | -30°C to +70°C |
| Weight | 4.7 gms |

2. Test Method :

2.1 Standard Test Diagram



- S.G. :GAG-808G Audio Ggenerator or Equivalent
- S.P.L.M. :Sound Pressure Level Meter IEC651 TYPE2
- I. :GDM-8145 Multimeter or Equivalent
- P.B. :Piezoelectric Buzzer

Note : Please pay attention never to be applied DC voltage to piezo sounder.

| | | |
|-------------------|--|-----------------------------|
| OBO Pro.2® | SPECIFICATIONS | MODEL NO. OBO-272 |
| | PART NAME Piezoelectric Buzzer | SHEET 3 OF 6 |

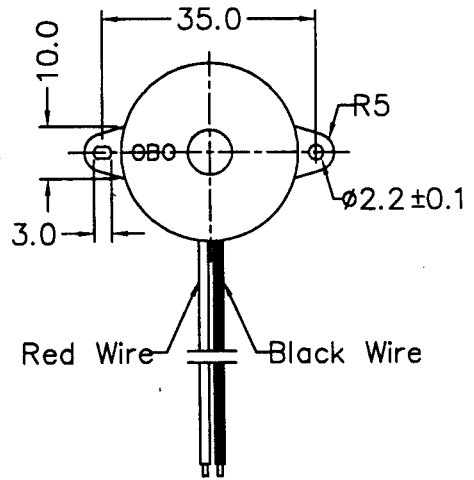
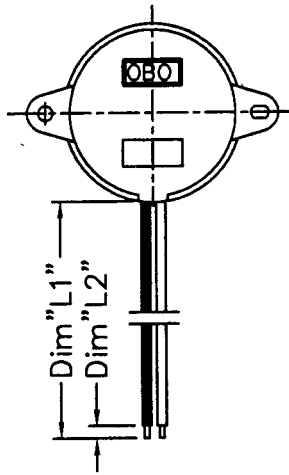
2.2 Standard Test Condition ※1

Part shall be measured under a condition
 (Temperature : +5 to +35°C, Humidity : 45% to 85%R.H.)
 unless the standard condition. (Temperature : +25±3°C,
 Humidity : 60±10%R.H.) is regulated to measure.

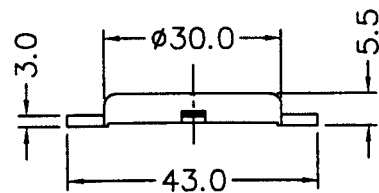
3. Dimensions :

3.1 Standard Test Diagram

Unit : mm Tolerance : ± 0.5



| Customer | Lead Wire | DIM"L1" | DIM"L2" |
|----------|------------------|---------|---------|
| Standard | UL 1095 28AWG | 85±5 | 3±1 |



| | | |
|------------------|--|-----------------------------|
| OBO Pro.2 | SPECIFICATIONS | MODEL NO. OBO-272 |
| | PART NAME Piezoelectric Buzzer | SHEET 4 OF 6 |

3.2 Environment-related substances to be controlled

◎ Piezoelectric Ceramic Disc.

RoHs Annex :

Application of lead, mercury, cadmium and hexavalent chromium, which are exempted from the requirement of article 4(1).

* Lead in electronic ceramic parts.(e.g. piezoelectronic devices).

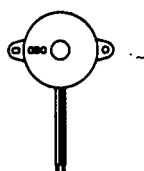
4 Soldering Condition :

4.1 Hand Soldering

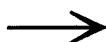
| | |
|----------------------|-------------------------|
| Iron Tip Temperature | Soldering time |
| + 380°C Max. | Duration 3 seconds Max. |

| | | |
|-------------------|--|-----------------------------|
| OBO Pro.2® | SPECIFICATIONS | MODEL NO. OBO-272 |
| | PART NAME Piezoelectric Buzzer | SHEET 5 OF 6 |

5. Packing :



Buzzer



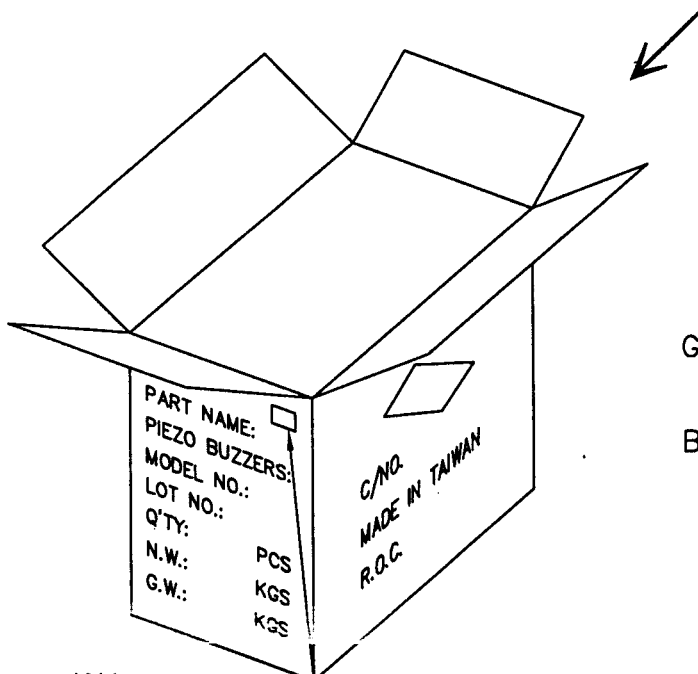
OBO PRO.2 INC.

| | |
|-----------|--|
| MODEL NO. | |
| LOT NO. | |
| QUANTITY | |
| DATE | |

50pcs / Label
(80*50*0.08mm)



50pcs/ PE Bag
(220*155*0.05mm)
RoHS Tape ※1



※1
RoHS Tape

40 Bag(2,000pcs) / Carton
0.96寸(352*233*336mm)

